

**2010 Summary of total diagnoses for commercial and homeowner
plant disease samples**

CROP	TOTAL DIAGNOSES	COMMERCIAL	HOMEOWNER
Field Crops	275	275	0
Fruits & Nuts	240	204	36
Vegetables	390	342	48
Herbaceous Ornamentals	106	78	28
Woody Ornamentals	147	68	79
Trees	137	81	56
Turf	664	536	128
Miscellaneous	17	5	12
TOTALS	1976	1589	387

FIELD CROP DISEASES
TOTAL DIAGNOSES: 275 (C = 275 ; H = 0)

HOST	DISEASE	CAUSAL ORGANISM	COMM	HO
Bahiagrass C = 1 H =	Dollar Spot	Sclerotinia homeocarpa	1	
Beet, Sugar C = 1 H =	Unknown		1	
Corn, Field/Seed C = 105 H =	No Disease Abiotic Disorder Abiotic Disorder Northern Corn Leaf Blight Southern Rust Southern Corn Leaf Blight Unknown Common Rust Diplodia Ear & Stalk Rot Fusarium Ear Rot Anthracnose	Chemical Injury Unknown Setosphaeria (Exserohilum) turcica (turcicum) Puccinia polysora Cochliobolus (Bipolaris) heterostrophus (maydis) General Puccinia sorghi Stenocarpella (Diplodia) maydis Fusarium sp./spp. Colletotrichum graminicola	5 8 1 22 32 21 8 1 1 4 2	
Cotton C = 54 H =	No Disease Unknown Stemphylium Leaf Spot Ascochyta Blight Cercospora Leaf Spot Rhizoctonia Crown & Stem Rot Fusarium Wilt Corynespora Leaf Spot Leaf Spot	General Stemphylium sp./spp. Ascochyta gossypii Cercospora sp./spp. Rhizoctonia sp./spp. Fusarium oxysporum Corynespora sp./spp. Pestalotiopsis (Pestalotia) sp./spp.	9 9 16 1 8 1 1 8 1	
Kudzu C = 1 H =	Leaf Spot	Cercospora sp./spp.	1	
Millet C = 1 H =	No Disease		1	
Oat C = 1 H =	No Disease		1	

Peanut C = 23 H =	Abiotic Disorder No Disease Anthracnose/Colletotrichum Leaf Spot Early Leaf Spot Cercospora Leaf Spot Unknown Rhizoctonia Blight Southern Stem Blight Diplodia Collar Rot Late Leaf Spot Cylindrocladium Black Rot	Chemical Injury Colletotrichum sp./spp. Mycosphaerella (Cercospora) arachidis (arachidicola) Cercospora sp./spp. General Rhizoctonia solani Sclerotium rolfsii Diplodia gossypina Mycosphaerella (ana. Passalora) berkeleyi Cylindrocladium parasiticum	2 4 1 1 1 4 1 6 1 1 1 1	
Sesame C = 1 H =	Undetermined	Injury or Pest	1	
Sorghum C = 3 H =	Insufficient Sample Fusarium Basal Stem Rot Anthracnose	Fusarium oxysporum Colletotrichum graminicola	1 1 1	
Soybean C = 32 H =	Unknown No Disease Charcoal Rot Frogeye Leaf Spot Downy Mildew Soybean Stem Canker Pod & Stem Blight Anthracnose/Colletotrichum Leaf Spot Abiotic Disorder Soybean Brown Spot Southern Stem Blight	Macrophomina phaseolina Cercospora sojina Peronospora sp./spp. Diaporthe phaseolorum Diaporthe (Phomopsis) sp./spp. Colletotrichum sp./spp. Chemical Injury Septoria glycines Sclerotium rolfsii	8 3 5 2 5 1 4 1 1 1 1 1	
Tobacco C = 41 H =	Black Rot Sclerotinia Stem Rot Pythium Root Rot Black Shank No Disease Virus Unknown Virus Virus Southern Blight	Xanthomonas campestris Sclerotinia sp./spp. Pythium sp./spp. Phytophthora nicotianae Tomato spotted wilt Cucumber mosaic Tobacco mosaic Sclerotium rolfsii	1 1 3 12 17 2 1 1 1 2	

Wheat C = 11 H =	Spot Blotch	Cochliobolus sp./spp.	2	
	No Disease		3	
	Sooty Mold	Unidentified Fungi	1	
	Tan Spot	Drechslera sp./spp.	3	
	Glume Blotch	Phaeosphaeria (Stagonospora) nodorum sp./spp.	1	
	Abiotic Disorder	Cultural /Environmental	1	

FRUIT DISEASES

TOTAL DIAGNOSES: 240 (C = 204; H = 36)

HOST	DISEASE	CAUSAL ORGANISM	COMM	HO
Apple C = 2 H = 9	Cedar Apple Rust	Gymnosporangium juniperi virginianae	1	
	Fire Blight	Erwinia amylovora	1	4
	Abiotic Disorder	Insect Damage - Eriophyid Mite		1
	LSREP			1
	Abiotic Disorder	Unknown		1
	Insufficient Sample			1
	Abiotic Disorder	Cultural / Environmental		1
Blackberry C = 44 H = 2	Cane and Leaf Rust	Kuehneola uredinis	2	
	Cane Blight/Canker	Leptosphaeria coniothyrium (Coniothyrium) fuckelli	3	
	Cane Blotch	Cephaleuros sp./spp.	2	
	Canker/Dieback/Leaf Blight	Fusicoccum sp./spp.	5	
	Canker/Dieback/Twig Blight	Botryosphaeria sp./spp.	5	
	Orange Felt		15	
	Pythium Root/Crown Rot	Pythium sp./spp.	1	
	Unknown	General	5	
		Gloeosporium sp.	1	
	Abiotic Disorder	Unknown		1
	Abiotic Disorder	Insect Damage - Spider Mite		1
	Cercospora Leaf Spot	Cercospora sp./spp.	4	
Pythium Root &/or Crown Rot	Pythium sp./spp.	1		

Blueberry C = 98 H = 7	Blight	Botrytis cinerea	3	1	
	Unknown	Abiotic Disorder	3		
	Unknown	General	32		
	Twig Blight	Fusicoccum sp./spp.	7		
	Canker/Dieback/Twig Blight	Botryosphaeria sp./spp.	10		
	Phomopsis Canker	Phomopsis sp./spp.	1		
	Mummy Berry	Monilinia vaccinii-corymbosi	3		
	Phytotoxicity	Putative, Abiotic Disorder	2		
	Rhizoctonia Crown/Stem Rot	Rhizoctonia sp./spp.	2		
	Phytophthora Crown Rot	Phytophthora sp./spp.	1		
	Pythium Root Rot	Pythium sp./spp.	3		
	Abiotic Disorder	Insect Damage	1		2
	Anthracnose	Gloeosporium sp./spp.	2		
	Macrophoma Leaf Spot	Macrophoma sp./sp.	1		
	Leaf Spot	Pestalotiopsis sp./spp.	3		2
	Abiotic Disorder	Drought Stress	1		
	Stem Rot/Dieback/Canker	Botryodiplodia sp./spp.	1		
	Abiotic Disorder	General			1
	Cercospora Leaf Spot	Cercospora sp./spp.	2		
	Powdery Mildew	Microsphaeria sp.	1		
Rhizoctonia Root Rot	Rhizoctonia sp./spp.	5			
Phytophthora Crown&/or Root Rot	Phytophthora sp./spp.	2			
Pestalotia Dieback	Pestalotia sp./spp.	1			
Sphaeropsis Canker	Sphaeropsis sp./spp.	1			
Armillaria Root Rot	Armillaria sp./spp.	1			
Crown Rot Pathogen Complex		1			
Unidentified Basidiomycete		1			
Leaf Spot	Phyllosticta sp./spp.	1			
Pythium Crown &/or Root Rot	Pythium sp./spp.	5			
Phytophthora Crown, Root &/or Stem Rot	Phytophthora sp./spp.	1			
Cherry C = H = 1	Unknown	General		1	
Citrus C = H = 1	Abiotic Disorder	Insect Damage		1	
Fig C = 1 H =	Leaf Spot	Cercospora sp./spp.	1		
Grape C = 4 H = 1	Unknown Black Rot Bitter Rot	General Guignardia bidwelli (Phyllosticta ampellicida) Greeneria uvicola	2 1 1	1	

Kiwi C = 3 H =	Stem & Root Rot Pythium Root Rot Crown, Root &/or Stem Rot	Rhizoctonia sp./spp. Pythium sp./spp. Phytophthora sp./spp.	1 1 1	
Mayhaw C = 2 H = 1	Cedar-Quince Rust Leaf Spot Root Rot	Gymnosporangium clavipes Cercospora sp./spp. Pythium sp./spp.	 1 1	1
Muscadine C = 4 H =	Phytophthora Root Rot Macrophoma Rot Unknown Pythium Damping Off	Phytophthora sp./spp. Botryosphaeria dothidea General Pythium sp./spp.	1 1 1 1	
Olive C = 1 H =	Unknown	General	1	
Peach C = 4 H = 2	Unknown Phomopsis Dieback Abiotic Disorder Nematode Damage - Ring Brown Rot Scab	General Phomopsis sp./spp. Scale Insect Criconeimoides sp./spp. Monilinia sp./spp. Venturia (Cladosporium) carpophila (carpophilium)	1 1 1 1	 1 1
Pear C = H = 6	Fire Blight Abiotic Disorder Entomosporium Leaf Spot Unknown	Erwinia amylovora Cultural/Environmental Entomosporium sp./spp. General		2 2 1 1
Pecan C = 17 H = 2	Unknown Anthracnose Anthracnose Anthracnose Anthracnose No Disease Abiotic Disorder Abiotic Disorder Abiotic Disorder	General Glomerella sp./spp. Colletotrichum sp./spp. Glomerella cingulata (Colletotrichum gloeosporioides) Gloeosporium sp./spp. Cultural/Environmental Unknown Physiological	2 4 3 1 2 3	 1 1
Pistache C = H = 1	Anthracnose	Colletotrichum sp./spp.		1
Plum C = H = 2	Unknown Black Knot	General Apiosporina (Dibotryon) morbosa (morbosum)		1 1

Pomegranate C = 3 H =	Anthracoze Unknown Coniothyrium Leaf Spot	Gloeosporium sp./spp. General Coniothyrium sp./spp.	1 1 1	
Raspberry C = 1 H = 1	Root Rot Abiotic Disorder	Rhizoctonia sp./spp. Unknown	1	1
Strawberry C = 20 H	Alternaria Leaf Spot Cladosporium Mold Unknown Botrytis blight Mycosphaerella Leaf Spot Anthracoze Abiotic Disorder Phytophthora Crown Rot Abiotic Disorder Root/Crown Rot Pythium Root/Crown Rot Phytophthora Root/Crown/Stem Rot Anthracoze Crown Rot Cercospora Leaf Spot Phomopsis Leaf Blight	Alternaria sp./spp. Cladosporium sp./spp. General Botrytis sp./spp. Mycosphaerella sp./spp. Colletotrichum sp./spp. Environmental Stress Phytophthora sp./spp. Insect Damage Spider Mites Rhizoctonia sp./spp. Pythium sp./spp. Phytophthora sp./spp. Colletotrichum sp./spp. Cercospora sp./spp. Phomopsis obscurans	1 1 4 1 1 1 1 1 1 1 3 1 1 1 1 1	

HERBACEOUS ORNAMENTALS
TOTAL DIAGNOSES: 106 © = 78; H = 28)

HOST	DISEASE	CAUSAL ORGANISM	COMM	HO
Aeonium C = 1 H =	No Disease		1	
Ajuga C = 1 H = 1	Root Rot Rhizoctonia Blight	Various Fungi sp./spp. Rhizoctonia solani	1	1
Aubrieta C = 1 H =	Pythium Root Rot	Pythium sp./spp.	1	
Begonia C = 1 H = 1	No Disease Powdery Mildew	Oidium sp./spp.	1	1
Black-Eyed Susan C = 1 H = 2	Root Rot Fusarium Dry Rot Abiotic Disorder	Various Fungi sp./spp. Fusarium sp./spp. Herbicide Damage 2,4-D	1	1 1
Bromeliad C = H = 1	Abiotic Disorder	Cultural/Environmental		1
Calibrachoa C = 1 H =	Black Root Rot	Thielaviopsis(Chalara) basicola (elegans)	1	
Candy Tuft C = H = 1	Abiotic Disorder	Environmental Stress		1
Carthamus C = 2 H =	No Disease Cercospora Leaf Spot	Cercospora sp./spp.	1 1	
Catharanthus C = 1 H =	No Disease		1	
Celosia C = 1 H =	Phytophthora Stem Rot	Phytophthora sp./spp.	1	

Chrysocephalum C = 2 H =	Rhizoctonia Foliar/Aerial/Web Blight Aerial Blight	Rhizoctonia sp./spp. Phytophthora sp./spp.	1 1	
Chrysanthemum C = 3 H =	Fusarium Basal Rot Cercospora Leaf Spot Fusarium Wilt	Fusarium sp./spp. Cercospora sp./sp. Fusarium sp./spp.	1 1 1	
Coreopsis C = H = 1	Rhizoctonia Blight	Rhizoctonia solani		1
Daisy C = H = 2	Pythium &/or Crown Rot Abiotic Disorder	Pythium sp./spp. Cultural/Environmental		1 1
Daylily C = 3 H = 3	Anthracnose Slime Mold Leaf Streak Fusarium Crown Rot Phytophthora Stem Rot	Colletotrichum sp./spp. Auerobasidium microstictum Fusarium sp./spp. Phytophthora sp./spp.	1 1 1	1 2
Digitalis C = 1 H =	Rhizoctonia Root Rot	Rhizoctonia sp./spp.	1	
Echinacea C = 1 H =	Insufficient Sample		1	
Fern C = 1 H =	Rhizoctonia Aerial Blight	Rhizoctonia sp./spp.	1	
Gazania C = 2 H =	Phytophthora Root Rot Rhizoctonia Foliar/Aerial/Web Blight	Phytophthora sp./spp. Rhizoctonia sp./spp.	1 1	
Geranium C = 3 H = 1	No Disease Abiotic Disorder Cercospora Leaf Spot	 Cultural/Environmental Cercospora sp./spp.	2 1	1
Gesneraids C = 1 H =	No Disease		1	
Gladiolus C = 1 H =	No Disease		1	

Ground Cover C = H = 1	Abiotic Disorder	Root Problems		1
Hibiscus C = 2 H =	No Disease Abiotic Disorder	Oedema	1 1	
Helleborus C = H = 1	Abiotic Disorder	Unknown		1
Hollyhock C = 1 H =	Rust	Puccinia malvacearum	1	
Hosta C = 1 H = 2	Virus Abiotic Disorder Abiotic Disorder	Tomato spotted wilt Cultural/Environmental Unknown	1	1 1
Impatiens C = 3 H =	No Disease Phytophthora Root Rot Nematode Damage - Root Knot	Phytophthora sp./spp. Meloidogyne sp./spp.	1 1 1	
Ivy, English C = 2 H =	Anthraco nose	Colletotrichum sp./spp.	2	
Ivy, Geranium C = 1 H =	No Disease		1	
Jamesbrittenia C = 2 H =	Rhizoctonia Stem Rot Pythium Root/Crown Rot	Rhizoctonia sp./spp. Pythium sp./spp.	1 1	
Kalanchoe C = 1 H =	No Disease		1	
Liriope C = 3 H = 2	No Disease Root Rot Fusarium Dry Rot Anthraco nose	Various Fungi Fusarium sp./spp. Gloeosporium sp./spp.	2 1	1 1
Lisianthus C = 2 H =	Fusarium Crown Rot	Fusarium sp./spp.	2	

Marigold C = H = 2	Abiotic Disorder Cercospora Leaf Spot	Root Disorder Cercospora sp./spp.		1 1
Mondo Grass C = 6 H =	Phytophthora Crown Rot Anthracnose Pythium Root Rot Phytophthora Crown/Root Rot Root Rot	Phytophthora sp./spp. Colletotrichum sp./spp. Pythium sp./spp. Phytophthora sp./spp. Various Fungi	1 2 1 1 1	
Morning Glory C = H = 1	Red Rust	Coleosporium ipomoeae		1
Osteospermum C = 1 H =	Root Rot	Various Fungi sp./spp.	1	
Pansy C = 1 H =	Phytophthora Root Rot	Phytophthora sp./spp.	1	
Pepper, Orn. C = 1 H =	Bacterial Leaf Spot	Xanthomonas sp./spp.	1	
Periwinkle C = H = 1	Aerial Blight	Phytophthora nicotianae		1
Petunia C = 2 H =	Root Rot Cercospora Leaf Spot	Various Fungi Cercospora sp./spp.	1 1	
Phlox C = 2 H =	Pythium Root Rot Abiotic Disorder	Pythium sp./spp. Insect Damage - Spider Mite	1 1	
Poinsettia C = 2 H =	No Disease Pythium Root/Crown Rot	Pythium sp./spp.	1 1	
Red Hot Poker C = 1 H =	Root Rot	Various Fungi sp./spp.	1	
Rudbeckia C = H = 1	Abiotic Disorder	Herbicide Damage 2,4-D		1

Scutellaria C = 1 H =	Pythium Root Rot	Pythium sp./spp.	1	
Solenostemon C = 7 H =	Virus No Disease	Impatiens necrotic spot	6 1	
Sundrops C = H = 1	Fusarium Dry Rot	Fusarium sp./spp.		1
Verbena C = 3 H =	Root Rot Anthracnose Leaf Spot Cercospora Leaf Spot	Various Fungi sp./spp. Colletotrichum sp./spp. Cercospora sp./spp.	1 1 1	
Vinca C = H = 1	Rhizoctonia Aerial Blight	Rhizoctonia solani		1
Viola C = 1 H =	Pythium Root/Crown Rot	Pythium sp./spp.	1	
Violet C = 1 H =	Root Rot	Various Fungi sp./spp.	1	
Zinnia C = 3 H = 2	Root Rot Bacterial Leaf Spot Root Problems Cercospora Leaf Spot	Various Fungi sp./spp. Xanthomonas sp./spp. Abiotic Disorder Cercospora sp./spp.	2 1	1 1

MISCELLANEOUS
TOTAL DIAGNOSES: 17 (C = 5; H = 12)

HOST	DISEASE	CAUSAL ORGANISM	COMM	HO
Unknown C = 2 H = 6	Wood Rot Fungus	Ganoderma sp./spp.	1	1
	Unknown			1
	Unknown ID	Squawroot, Conopholis americana		1
	Unknown Substance on Lawn	Unknown		1
	Unknown Weed	Abiotic Disorder/Insect Damage		1
	Unknown Host	No Disease	1	
	Unknown	Pythium Root/Crown Rot Pythium sp./spp.		1
	Unknown	Abiotic disorder		1
Misc. C = 3 H =	Plant ID	Coleus/Solenostemon scutellaroides	1	
	Floor Joist	Dry Rot Serpula lacrymans	1	
	Dirt	Abiotic Disorder/Environmental Stress	1	
Mushroom ID C = H = 6	Unidentified - weed ?	Slime mold - Myxomycete		1
	Straw in vegetable garden	Slime mold - Myxomycete		1
	Wood Rot Fungus	Slime mold - Myxomycete		1
	Earth Ball	Sheep's Head Grifola frondosa		1
		Scleroderma bovista		1
		No Pathogen Found		1

TREE DISEASES
TOTAL DIAGNOSES: 137 (C = 81; H = 56)

HOST	DISEASE	CAUSAL ORGANISM	COMM	HO
Arborvitae C = 8 H = 1	No Disease Root Rot Canker/Dieback/Leaf Blight Phytophthora Crown/Root &/or Stem Rot Pythium Root &/or Crown Rot Sphaeropsis Dieback Abiotic Disorder	Various Fungi Fusicoccum sp./spp. Phytophthora sp./spp. Pythium sp./spp. Sphaeropsis sp./spp. Unknown	2 1 2 1 1 1	1
Catalpa C = H = 1	Abiotic Disorder	Environmental Stress		1
Cedar, Deodara C = H = 1	Abiotic Disorder	Unknown		1
Cedar, Eastern Red C = 1 H = 1	Wood Rot Fungus Abiotic Disorder	Undetermined sp./spp. Insect Damage - Mites - Acari	1	1
Cherry C = 2 H =	No Disease Leaf Blight/Spot/Shot hole	Blumeriella (Coccomyces) jaapii (hiemalis)	1 1	
Chestnut C = 1 H =	Canker/Dieback/Leaf Blight	Fusicoccum sp./spp.	1	
Chionanthus C = H = 1	Abiotic Disorder	Environmental Stress		1
Cryptomeria C = 7 H = 5	No Disease Undetermined Insect Damage Secondary Organisms Abiotic Disorder Abiotic Disorder No Pathogen Abiotic Disorder	Insect or Pest Scale Insect Order Homoptera Root Problems Unknown Secondary Organisms Insect Damage - Mites -Acari	4 1 1 1	1 1 2 1

Cypress C = H = 1	Phomopsis Blight	Phomopsis sp./spp.		1
Cypress, Italian C = 1 H = 1	No Disease Abiotic Disorder	Unknown	1	1
Cypress, Leyland C = 18 H = 13	No Disease Dieback/Canker Sphaeropsis Dieback Abiotic Disorder Rust Unknown Needle Cast Insect Damage Dieback/Canker/Twig Blight Cercospora Leaf Spot Abiotic Disorder No Disease	Seiridium sp./spp. Sphaeropsis sp./spp. Cultural/Environmental Gymnosporangium sp./spp. General Passalora (Cercospora) sequoiae Scale Insect Order Homoptera Botryosphaeria sp./spp. Cercospora sp./spp. Root Problems Secondary Organisms	5 3 2 3 2 3	4 1 5 1 1 1
Cypress, Murray C = 1 H =	No Disease	Secondary Agents	1	
Dogwood C = 1 H = 1	Crown &/or Root Rot Abiotic Disorder	Phytophthora sp./spp. Unknown	1	1
Elm C = H = 3	Insufficient Sample Abiotic Disorder	Unknown		1 2
Eucalyptus C = 2 H =	Sphaeropsis Leaf Spot Root Rot	Sphaeropsis sp./spp. Various Fungi	1 1	
Fir C = 1 H =	No Disease		1	
Lagestroemia C = 1 H =	Bacterial Leaf Spot	Xanthomonas sp.	1	
Magnolia C = 3 H = 3	No Disease Abiotic Disorder	Cultural/Environmental	3	3

Maple C = 6 H = 10	No Disease Crown & Root Rot Wound/Canker Abiotic Disorder Abiotic Disorder Abiotic Disorder Anthracnose	Phytophthora sp./spp. Abiotic Disorder Environmental Stress Heat/Water Secondary Organisms Insect Damage Unknown Root Problems Gloeosporium sp./spp.	3 1 1 1 1	 2 2 3 1
Nyssa C = 1 H =	No Disease		1	
Oak C = 10 H = 2	No Disease Insect Damage Insect Damage Insufficient Sample Wood Rot Fungus Bacterial Leaf Scorch Abiotic Disorder Insect Damage	Jumping Gall Wasp - Cynidae neuropterus saltatorius Eriophyid Mite Inonotus sp./spp. Xyllella sp./spp. Cultural/Environmental Scale Insect Order Homoptera	5 1 1 1 1 1	 1 1
Palm C = 3 H = 2	No Disease Unknown	General	3	1 1
Pear, Bradford C = H = 3	Rust Fire Blight Unknown	Gymnosporangium clavipes Erwinia amylovora General		1 1 1
Pine C = 10 H =	No Disease Wood Rot Fungus Rhizoctonia Foliar/Aerial/Web Blight Root Rot	Ischnoderma (Polyporus) resinosum (resinosus) Rhizoctonia sp./spp. Various Fungi	7 1 1 1	
Podocarpus C = 2 H =	No Disease Canker	Botryosphaeria sp./spp.	1 1	
Poplar C = 1 H = 2	Unknown No Disease Cercospora Leaf Spot	General Cercospora sp./spp.	1	 1 1
Sweet Gum C = H = 2	Unknown	Abiotic Disorder - Environmental Stress		2

Thuja C = 1 H =	No Disease		1	
Yellowwood, Amer. C = H = 2	Abiotic Disorder	Cultural/Environmental		2
Yew C = H = 1	Abiotic Disorder	Environmental Stress		1

TURF DISEASES

TOTAL DIAGNOSES: 664 (C = 536 ; H = 128)

HOST	DISEASE	CAUSAL ORGANISM	COMM	HO
Bentgrass C = 160 H =	Pythium Root/Crown Rot	Pythium sp./spp.	40	
	Anthracnose	Colletotrichum graminicola cereale	55	
	Abiotic Disorder	Cultural/Environmental	31	
	Dollar Spot	Sclerotinia (Lanzia & Moelerodiscus) homeocarpa spp.	1	
	Summer Patch	Magnaporthe poae	4	
	Brown Patch	Rhizoctonia sp./spp.	5	
	Unknown	General	2	
	Nematode Damage	Plant Parasitic - Unspecified Genera	7	
	No Disease		13	
	Insufficient Sample		1	
	Fairy Ring	Various Fungi	1	
	Bermuda C = 158 H = 24	Abiotic Disorder	Cultural/Environmental	33
Bipolaris Leaf Spot		Bipolaris sp./spp.	16	
No Disease			11	
Insufficient Sample			5	1
Large Patch		Rhizoctonia solani	24	
Take-All		Gaeumannomyces graminis graminis	26	1
Pythium Blight		Pythium sp./spp.	3	
Spring Dead Spot		Ophiosphaerella sp./spp.	16	10
Blue Green Algae		Oscillatoria sp./spp.	1	
Dollar Spot		Sclerotinia (Lanzia & Moelerodiscus) homeocarpa spp.	3	
Abiotic Disorder		Insect Damage	4	
Rust			1	
Nematode Damage		Unspecified Genera	2	
Pythium Root/Crown Rot		Pythium sp./spp.	3	
ETRI		ETRI and Complex of Fungi		10
Abiotic Disorder		Environmental Stress		1
Bipolaris Spot Blotch		Bipolaris sp./spp.	5	
Anthracnose		Colletotrichum cereale	2	
Curvularia Blight/Leaf Spot		Curvularia sp./spp.	1	
Fairy Ring		Various Fungi	1	
Rhizoctonia Leaf Spot &/or Leaf Blight	Rhizoctonia sp./spp.	1		

Centipede C = 55 H = 44	Abiotic Disorder Large Patch Take-All Rhizoctonia Blight ETRI No Disease Unknown Pythium Root Rot Abiotic Disorder Bipolaris Leaf Spot Insufficient Sample Abiotic Disorder Abiotic Disorder	Cultural/Environmental Rhizoctonia solani Gaeumannomyces graminis graminis Rhizoctonia solani ETRI and Complex of Fungi General Pythium sp./spp. Environmental Stress Cochliobolus setariae Secondary Organisms - Secondary Secondary Insect Damage	21 16 11 2 1 1 1 1 1 1	3 11 7 18 2 1 1 1 1
Fescue C = 10 H = 6	Abiotic Disorder Pythium Root/Crown Rot Abiotic Disorder Fairy Ring Brown Patch Insufficient Sample Unknown ETRI Rhizoctonia Blight Take-All	Cultural/Environmental Pythium sp./spp. Insect Damage Various Fungi Rhizoctonia sp./spp. General ETRI and Complex of Fungi Rhizoctonia solani Gaeumannomyces graminis graminis	4 1 1 1 1 1 1	1 1 1 2 1
Grass C = 4 H = 2	Take-All Abiotic Disorder Insufficient Sample ETRI	Gaeumannomyces graminis graminis Cultural/Environmental ETRI and Complex of Fungi	2 1 1	1 1
Rye C = 3 H =	Pythium Root &/or Crown Rot	Pythium sp./spp.	3	
Seashore Paspalum C = 15 H =	Abiotic Disorder Pink Patch Dollar Spot Anthracnose Take-All Large Patch	Environmental Stress Limonomyces roseipellis Sclerotinia (Lanzia & Moelerodiscus) homeocarpa spp. Colletotrichum graminicola Gaeumannomyces graminis graminis Thanatephorus (Rhizoctonia) cucumeris (solani)	4 1 5 2 1 2	
Sod C = 1 H =	Rhizoctonia Blight	Rhizoctonia sp./spp.	1	

St. Augustine C = 32 H = 34	Large Patch Take-All Abiotic Disorder Gray Leaf Spot Slime Mold ETRI Insufficient Sample Nematode Damage Unknown Rhizoctonia Blight	Rhizoctonia solani Gaeumannomyces graminis graminis Cultural/Environmental Magnaporthe (Pyricularia) grisea ETRI and Complex of Fungi Root Knot - Meloidogyne sp./spp. General Rhizoctonia solani	9 15 4 4 6	17 1 1 3 3 1 1 1 1 6
Switchgrass C = 3 H =	No Disease Leaf rust	 Puccinia sp./spp.	2 1	
Unknown C = H = 1	Take-All	Gaeumannomyces graminis graminis		1
Zoysia C = 95 H = 17	Abiotic Disorder Large Patch Take-all Nematode Damage Bipolaris Leaf Spot Curvularia Blight Pythium Root & Crown Rot Fairy Ring Rhizoctonia Crown & Root Rot ETRI Rust Unknown Dollar Spot Anthracnose No Disease Rhizoctonia Blight Abiotic Disorder	Cultural/Environmental Rhizoctonia solani Gaeumannomyces graminis graminis Plant Parasitic - Unspecified Bipolaris sp./spp. Curvularia sp./spp. Pythium sp./spp. Various Fungi Rhizoctonia solani ETRI and Complex of Fungi Puccinia zoysia General Sclerotinia homeocarpa Colletotrichum cereale Rhizoctonia solani Unknown	32 24 20 1 2 3 3 1 2 3 2 2 2	1 2 1 1 8 1 1 1 1

VEGETABLE DISEASES
TOTAL DIAGNOSES: 390 (C = 342 ; H = 48)

HOST	DISEASE	CAUSAL ORGANISM	CO	HO
Basil C = 2 H = 1	Virus Virus Downy Mildew	Cucumber mosaic Squash mosaic Peronospora sp./spp.	1 1	1
Bean C = H = 6	Insufficient Sample Unknown Rhizoctonia Crown & Stem Rot Rhizoctonia Blight	General Rhizoctonia solani Rhizoctonia solani		2 2 1 1
Bean, Snap C = 11 H =	No Disease Unknown Abiotic Disorder Bean Rust Virus Virus Pythium Root &/or Crown Rot	General Ozone Uromyces appendiculatus (phaseoli) Potyvirus Group Tomato spotted wilt virus Pythium sp./spp.	4 1 1 1 2 1 1	
Broccoli C = 4 H =	No Disease Virus Downy Mildew	Tomato spotted wilt virus Peronospora sp./spp.	2 1 1	
Cabbage C = 7 H =	Bacterial Leaf Spot Pseudomonas Leaf Spot Bacterial Soft Rot Rhizoctonia Blight No Disease Abiotic Disorder	Xanthomonas sp./spp. Pseudomonas sp./spp. Unidentified bacterium Rhizoctonia solani Unknown	2 1 1 1 1 1	
Calalu C = H = 1	Abiotic Disorder	Insect Damage		1

Cantaloupe C = 31 H =	Gummy Stem Blight Rhizoctonia Root/Crown Rot Pseudomonas Leaf Spot No Disease Watermelon Fruit Blotch Abiotic Disorder Fusarium Wilt Phytophthora Fruit Rot Unknown Pythium Fruit Rot/Cottony Leak Abiotic Disorder Virus Abiotic Disorder	Phoma cucurbitacearum Rhizoctonia sp./spp. Pseudomonas sp./spp. Acidovorax avenae citrulli Chemical Injury Fusarium oxysporum Phytophthora capsici General Pythium sp./spp. Physiological Response Potyvirus Group Nutritional Deficiency Disorder	3 1 2 13 3 1 1 2 1 1 1 1 1 1	
Carrot C = 1 H =	No Disease		1	
Citron C = 1 H =	Watermelon Fruit Blotch	Acidovorax avenae citrulli	1	
Collard C = 6 H = 2	No Disease Alternaria Leaf Spot Cercospora Leaf Spot Unknown Abiotic Disorder	Alternaria sp./spp. Cercospora sp./spp. General Insect Damage	4 1 1	1 1
Corn/Sweet C = 2 H = 2	Southern Rust Fusarium Ear Rot Abiotic Disorder	Puccinia polysora Fusarium sp./spp. Insect Damage	1 1	2
Cucumber C = 9 H =	Downy Mildew Pythium Fruit Rot/Cottony Leak Virus Virus Pseudomonas Leaf Spot Powdery Mildew Anthracnose Leaf Spot Abiotic Disorder Bacterial Leaf Spot	Peronospora sp./spp. Pythium sp./spp. Cucumber mosaic virus Squash mosaic virus Pseudomonas sp./spp. Oidium sp. Colletotrichum sp./spp. Chemical Injury Xanthomonas sp./spp.	1 1 1 1 1 1 1 1 1 1	
Diakon C = 1 H =	Abiotic Disorder	Boron Deficiency	1	
Eggplant C = 2 H =	Phomopsis Fruit Rot No Disease	Phomopsis sp./spp. Secondary Organisms	1 1	

Garlic C = 1 H =	Fusarium Bulb Rot	Fusarium sp./spp.	1	
Okra C = 2 H =	Unknown	General	2	
Onion C = 9 H =	Center Rot Botrytis Blight Pseudomonas Leaf Spot No Disease Unknown Bacterial Soft Rot	Pantoea ananatis Botrytis sp./spp. Pseudomonas sp./spp. General Unidentified Bacterium	1 1 1 1 4 1	
Pea C = 5 H = 2	Fusarium Wilt Unknown Insufficient Sample Abiotic Disorder Abiotic Disorder Abiotic Disorder	Fusarium oxysporum General Cultural/Environmental Nutrient Imbalance Physiological Response	2 1 1 1	 1 1
Pepper C = 31 H = 3	Abiotic Disorder Botrytis Blight Abiotic Disorder Bacterial Leaf Spot No Disease Phytophthora Crown Rot Virus Virus Southern Blight Abiotic Disorder Abiotic Disorder Abiotic Disorder Unknown Pythium Root &/or Crown Rot Phomopsis Fruit Rot Abiotic Disorder Root Problems	Cold Injury Botrytis sp./spp. Wind burn Xanthomonas campestris pv. vesicatoria Phytophthora sp./spp. Cucumber mosaic virus Squash mosaic virus Sclerotium rolfsii Sunscald Blossom End Rot Physiological Response General Pythium sp./spp. Phomopsis sp./spp. Cultural/Environmental	1 1 1 6 5 1 2 1 3 4 2 1 1 1 1 1	 2 1
Potato C = H = 2	Fusarium Dry Rot Scab	Fusarium sp./spp. Streptomyces sp./spp.		1 1
Potato, Sweet C = 1 H = 1	Charcoal Rot Fusarium Dry Rot	Macrophomina phaseolina Fusarium sp./spp.	1	1

Watermelon C = 162 H =	No Disease		70	
	Unknown	General	3	
	Insufficient Sample		2	
	Gummy Stem Blight	Phoma cucurbitacearum	13	
	Watermelon Fruit Blotch	Acidovorax avenae citrulli	17	
	Pseudomonas Leaf Spot	Pseudomonas sp./spp.	2	
	Pythium Root Rot	Pythium sp./spp.	6	
	Fusarium Wilt	Fusarium oxysporum	18	
	Pythium Blight	Pythium sp./spp.	1	
	Rhizoctonia Crown & Stem Rot	Rhizoctonia(Thanatephorus)solani(cucumeris)	4	
	Anthracnose	Colletotrichum sp./spp.	8	
	Abiotic Disorder	Chemical/Environmental	1	
	Phytophthora Fruit Rot	Phytophthora capsici	6	
	Fusarium Crown Rot	Fusarium oxysporum	1	
	Abiotic Disorder	Nutritional Imbalance	1	
	Abiotic Disorder	Unknown	1	
	Nematode Damage	Root Knot Nematode - Meloidogyne sp.	1	
	Abiotic Disorder	Oedema	1	
	Powdery Mildew	Sphaerotheca sp./spp.	1	
	Virus	Watermelon gemini virus	1	
Abiotic Disorder	Environmental Stress	2		
Virus	Potyvirus Group	1		
Abiotic Disorder	Physiological Response	1		
Zucchini C = 1 H =	Nematode Damage - Root Knot	Meloidogyne sp. (possible)	1	

WOODY ORNAMENTALS
TOTAL DIAGNOSES: 147 (C = 68 ; H = 79)

HOST	DISEASE	CAUSAL ORGANISM	COMM	HO
Aucuba C = 1 H = 1	Anthracnose Abiotic Disorder	Colletotrichum sp./spp. Insect Damage - Scale	1	1
Azalea C = 5 H = 10	Cercospora Leaf Spot Abiotic Disorder Abiotic Disorder Abiotic Disorder Root Rot Pythium Root/Crown Rot	Cercospora sp./spp. Environmental Stress Root Problems Unknown Various Fungi Pythium sp./spp.	2 1 1 1	1 7 2
Bamboo C = 2 H =	Anthracnose Leaf Rust	Colletotrichum sp./spp. Puccinia sp./spp.	1 1	
Boxwood C = 13 H = 7	No Disease Phytophthora Root Rot Volutella Leaf blight Root Rot Phytophthora Crown/Root Rot Abiotic Disorder Abiotic Disorder Pythium Root Rot Unknown	Phytophthora sp./spp. Volutella sp./spp. Various Fungi sp./spp. Phytophthora sp./spp. Cultural/Environmental Insect Damage Pythium sp./spp. General	5 1 1 2 3 1	1 3 1 1 1
Buddleia C = H = 1	Abiotic Disorder	Cultural/Environmental		1
Camellia C = 7 H = 2	No Disease Abiotic Disorder Abiotic Disorder	Cultural/Environmental Insect Damage-Tea Scale Fiorinia theae	7	1 1
Cleyera C = H = 1	No Disease			1
Daphne C = 1 H =	No Disease		1	

Fatsia C = H = 1	Abiotic Disorder	Root Problems		1
Forsythia C = H = 1	Abiotic Disorder	Cultural/Environmental		1
Gardenia C = 1 H = 5	No Disease Abiotic Disorder Abiotic Disorder Abiotic Disorder	Cultural/Environmental Insect Damage Root Problems	1	3 1 1
Holly C = 9 H = 9	Abiotic Disorder Phytophthora Root Rot No Disease Armillaria Root Rot Abiotic Disorder Abiotic Disorder Abiotic Disorder Entomosporium Leaf Spot Unknown Secondary Organisms Abiotic Disorder	Oedema Phytophthora sp./spp. Armillaria (Clitocybe) tabescens Cultural/Environmental Insect Damage Chemical Injury Entomosporium sp./spp. General Root Problems	1 1 5 1 1	3 1 1 1 1 2
Hydrangea C = 5 H = 7	Anthraco nose Leaf Spot Cercospora Leaf Spot Abiotic Disorder Abiotic Disorder No Disease	Colletotrichum sp./spp. Cercospora sp./spp. Environmental Stress Insect Damage	1 4	1 3 1 2
Illicium C = 2 H =	No Disease		2	
Itea C = 2 H =	Anthraco nose Leaf Spot	Colletotrichum sp./spp. Pseudocercospora sp./spp.	1 1	
Jasmine C = H = 2	Abiotic Disorder Abiotic Disorder	Root Problems Environmental Stress		1 1

Juniper C = 7 H = 13	Root Rot No Disease Phomopsis Tip Blight Abiotic Disorder Abiotic Disorder Unknown Abiotic Disorder	Various Fungi sp./spp. Phomopsis sp./spp. Cultural/Environmental Root Problems General Unknown	3 3 1	1 4 6 1 1
Laurel C = 1 H = 1	No Disease Unknown	General	1	1
Lavender C = H = 1	Abiotic Disorder	Environmental Stress		1
Ligustrum C = H = 3	Abiotic Disorder Abiotic Disorder Cercospora Leaf Spot	Unknown Insect Damage Cercospora sp./spp.		1 1 1
Lorapetalum C = 1 H = 1	No Disease Abiotic Disorder	Insect Damage	1	1
Nandina C = H = 2	Abiotic Disorder Unknown	Cultural/Environmental General		1 1
Osmanthus C = H = 2	Exobasidium Leaf Gall Unknown	Exobasidium sp./spp. General		1 1
Photinia C = 1 H =	Dieback/Canker/Twig Blight	Botryosphaeria sp./spp.	1	
Rhaphiolepis C = 3 H = 2	Entomosporium Leaf Spot No Disease Abiotic Disorder	Entomosporium sp./spp. Unknown	1 2	1 1
Rose C = 2 H = 7	Armillaria Root Rot Abiotic Disorder Unknown No Disease Black Spot	Armillaria (Clitocybe) tabescens Cultural/Environmental General Diplocarpon (Marssonina) rosae	1 1	1 3 1 1 1

Sanchezia C = 1 H =	Virus	Impatiens necrotic spot	1	
Wax Myrtle C = 2 H = 2	Abiotic Disorder Unknown No Disease Secondary Organisms	Insect Damage General	1 1	1 1
Unknown C = H = 2	Sooty Mold Powdery Mildew	Whiteflies		1 1
Viburnum C = 2 H = 4	Wound Canker Abiotic Disorder No Disease Unknown Abiotic Disorder	General Environmental	2	1 1 1 1